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Subject: Polar Surfaces?

Posted by [jeffwax1](#) on Fri, 04 Jun 2004 14:39:39 GMT

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Hi, I have a huge amount of data that I'm working with and need to plot and was hoping that someone could help me with.

The data has three coordinates - radius, polar angle, and time. I want to create a circular image and then to create an MPEG out of the different frames (imagine a moving satellite picture of the Earth...).

I did this by using "POLAR\_SURFACE" and interpolating between the data points. However, the problem is that I can't get a smooth outer circle. IDL is taking the points with the largest radius and connecting the dots to create the outline of my surface. Thus, I end up with jagged edges and a misshapen diagram. Does anyone know what I can do to make the interpolation spread throughout a larger circle that would encompass the entire previous shape? Any help would be greatly appreciated.

Thanks,  
Jeff

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